

CLAIMS

1. A thermal battery system comprising:

a housing;

an electrical energy supplying assembly for supplying electrical power
when heated to operating temperatures mounted within said housing

a wire heating assembly mounted within said housing for heating said
electrical energy supply assembly to operating temperatures.

2. The thermal battery system as set forth in claim 1 further comprising
said housing containing a first insulation layer mounted about said at least a
portion of said electrical energy supplying assembly.

3. The thermal battery system as set forth in claim 2 further comprising
said wire heating element assembly mounted within said insulation layer.

4. The thermal battery system as set forth in claim 1, or 2, or 3, further
including means to adjust the level of heating produced by said wire heating
assembly.

5. The thermal battery system as set forth in claim 4 wherein said wire
heating assembly is made of nickel-chrome wire.

6. The thermal battery system as set forth in claim 5 comprising:
a second ridged insulation layer mounted within said first insulation
layer; and
said wire-heating assembly mounted about at least a portion of said
second ridged insulation layer.

1 7. The thermal battery system as set forth in claim 6 further including
2 means coupled to said electrical energy supplying assembly for recharging
3 same.

1 8. A thermal battery system comprising:
2 a first housing;
3 an electrical energy supplying assembly for supplying electrical power
4 when heated to operating temperatures mounted within said first housing;
5 a wire heating assembly mounted about said first housing for heating
6 said electrical energy supply assembly to operating temperatures; and
7 a second housing mounted about said first housing and said wire-
8 heating assembly.

1 9. The thermal battery system as set forth in claim 8 further comprising
2 said first housing containing a first insulation layer mounted about said at least
3 a portion of said electrical energy supplying assembly.

1 10. The thermal battery system as set forth in claim 9 further comprising a
2 second insulation layer mounted between said first and second housings
3 about said wire heating element assembly.

1 11. The thermal battery system as set forth in claim 8, or 9, or 10, further
2 including means to adjust the level of heating produced by said wire heating
3 assembly.

1 12. The thermal battery system as set forth in claim 11 wherein said wire
2 heating assembly is made of nickel-chrome wire.

1 13. The thermal battery system as set forth in claim 12 further including
2 means coupled to said electrical energy supplying assembly for recharging it.